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In the Claims

Please cancel claims 11 and 22 without prejudice and add claims 42 and 43 so that the claims read as follows:

1-8. (Canceled)

9. (Previously Presented) An apparatus for rinsing and drying a vertically oriented substrate, comprising:

a tank of fluid, for at least partially submerging a vertically oriented substrate, the tank comprising a first portion for receiving the vertically oriented substrate and a second portion that is horizontally adjacent the first portion, wherein the first portion is operatively coupled to the second portion such that the vertically oriented substrate may be passed directly from the first portion to the second portion while continuing to be submerged in the tank of fluid without being removed from the tank; and

a lift mechanism for lifting the vertically oriented substrate from the second portion of the tank.

10. (Original) The apparatus of claim 9, further comprising a substrate shuttle operatively coupled within the tank for receiving the substrate within the first portion and for shuttling the substrate to the second portion.

11 - 14. (Canceled)

15. (Previously presented) An apparatus for rinsing and drying a substrate comprising:

a tank of cleaning fluid, for submerging a substrate, the tank comprising a first portion for receiving and cleaning the substrate and a second portion, operatively coupled to the first portion, for rinsing the substrate, the first and second portions being horizontally adjacent;

a lifting mechanism operatively coupled to the tank for lifting a substrate from the cleaning fluid;

a drying vapor source positioned to supply drying vapors to the air/substrate/rinsing fluid interface;
and

a substrate shuttle operatively coupled within the tank for receiving the substrate within the first portion and for shuttling the substrate directly to the second portion without removing the substrate from the tank.

16. (Original) The apparatus of claim 15, wherein the apparatus further comprises a drying enclosure operatively coupled above the second portion of the tank for receiving substrates therefrom, wherein the drying enclosure encloses the drying vapor source.

17. (Original) The apparatus of claim 16 further comprising:

a lifting mechanism for lifting a substrate from the substrate shuttle to the drying enclosure.

18. (Original) The apparatus of claim 16 further comprising a mechanism adapted to hold the wafer in a fixed position relative to the drying enclosure.

19. (Original) The apparatus of claim 16 wherein the drying enclosure further comprises a side wall having a sealable opening for substrate extraction.

20. (Original) The apparatus of claim 9 wherein the first portion of the tank comprises a transducer adapted to sonically clean a substrate.

21. (Original) The apparatus of claim 10 wherein the first portion of the tank comprises a transducer adapted to sonically clean a substrate.

22 - 31. (Canceled)

32. (Original) The apparatus of claim 15 wherein the first portion of the tank comprises a transducer adapted to sonically clean the substrate.

33. (Original) The apparatus of claim 16 wherein the first portion of the tank comprises a transducer adapted to sonically clean the substrate.

34. (Original) The apparatus of claim 17 wherein the first portion of the tank comprises a transducer adapted to sonically clean the substrate.

35. (Original) The apparatus of claim 18 wherein the first portion of the tank comprises a transducer adapted to sonically clean the substrate.

36. (Original) The apparatus of claim 19 wherein the first portion of the tank comprises a transducer adapted to sonically clean the substrate.

37. (Previously Presented) An apparatus for rinsing and drying a substrate, comprising:

a tank of fluid, for at least partially submerging a substrate, the tank comprising a first portion for receiving the substrate and a second portion that is horizontally adjacent the first portion, wherein the first portion is operatively coupled to the second portion such that the substrate may be passed directly from the first portion to the second portion without being removed from the tank;

a lift mechanism for lifting the substrate from the second portion of the tank; and

a drying vapor source positioned to supply drying vapors to an air/substrate/fluid interface formed as the substrate is lifted from the second portion of the tank by the lifting mechanism.

38. (Previously Presented) The apparatus of claim 37 wherein the first portion of the tank comprises a transducer adapted to sonically clean a substrate.

39. (Previously Presented) The apparatus of claim 37, further comprising a substrate shuttle operatively coupled within the tank for receiving the substrate within the first portion and for shuttling the substrate to the second portion.

40. (Previously Presented) The apparatus of claim 37, wherein the substrate is a vertically oriented substrate.

41. (Previously Presented) The apparatus of claim 15, wherein the substrate is a vertically oriented substrate.

42. (New) An apparatus for rinsing and drying a vertically oriented substrate, comprising:

a tank of fluid, for at least partially submerging a vertically oriented substrate, the tank comprising a first portion for receiving the vertically oriented substrate and a second portion that is horizontally adjacent the first portion, wherein the first portion is operatively coupled to the second portion such that the vertically oriented substrate may be passed directly from the first portion to the second portion while continuing to be submerged in the tank of fluid without being removed from the tank;

a substrate shuttle operatively coupled within the tank having first and second sides for securely contacting a lateral edge of the substrate within the first portion and for shuttling the substrate to the second portion; and

a lift mechanism positioned in the second portion of the tank for lifting the vertically oriented substrate from substrate shuttle when positioned in the second portion.

43. (New) The apparatus of claim 42, further comprising a pair of rails operatively coupled within the second portion of the tank to receive and support the substrate in a vertical orientation when lifted by the lift mechanism.